

**Notice of Allowability**

Application No.

10/719,514

Applicant(s)

ROBINSON ET AL.

Examiner

Art Unit

Henry K. Choe

2817

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response filed on 8/18/05.
2. ☒ The allowed claim(s) is/are 1 and 3-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 5/11/05
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☒ Interview Summary (PTO-413), Paper No./Mail Date 11/9/05.
- ☒ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other \_\_\_\_\_

  
HENRY CHOE  
PRIMARY EXAMINER

## **DETAILED ACTION**

### ***EXAMINER'S AMENDMENT***

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Christopher Harris on 11/4/05.

Claim 2 has been cancelled.

In line 3 of claim 1, "and" has been deleted.

In line 6 of claim 1, --; and a correction path that provides at least a substantial portion of the amplified output signal in the signal restoration mode—has been added between "level" and ".".

In line 1 of claim 3, "2" has been replaced with –1--.

In line 1 of claim 5, "2" has been replaced with –1--.

In line 5 of page 1 of specification, "Attorney Docket No. NG(ST)-6690" has been replaced with –Serial Number 10/719,513--.

This statement explains how the reference to Nagle et al (Fig. 2) anticipates independent claim 1.

Nagle et al (Fig. 2) discloses an amplifier circuit comprising a power amplifier (28) which is operative to amplify an input signal (BASEBAND INPUT) to provide an amplified output signal (RF OUTPUT), and DSP (24) can be read as the claimed mode

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selector since the DSP (24) separates the input signal (BASEBAND INPUT) into the phase component (PHASE INFORMATION) and amplitude component (AMPLITUDE INFORMATION) during a polar mode operation and wherein the phase component (PHASE INFORMATION) is applied to the input terminal of the power amplifier (28) and the amplitude component (AMPLITUDE INFORMATION) is applied to the power supply terminal of the power amplifier (28) and reduces the voltage level of the amplitude component (AMPLITUDE INFORMATION) to zero volt during a signal restoration mode operation and wherein the zero volt is applied to the power supply terminal of the power amplifier (28) to turn off the power amplifier (28).

It should be noted that the Terminal Disclaimer has been filed.

### ***Reasons for Allowance***

Claims 1 and 3-30 are allowed.

The following is an examiner's statement of reasons for allowance: Regarding claim 1, the closest prior art of record, Nagle et al (Fig. 2) does not disclose the following limitations: a correction path that provides at least a substantial portion of the amplified output signal in the signal restoration mode. Regarding claim 17, the closest prior art of record, Nagle et al (Fig. 2) does not disclose the following limitations: a correction path and its functional limitations. Regarding claim 24, the closest prior art of record, Nagle et al (Fig. 2) does not disclose the following limitations: means for correcting the amplified output signal and its functional limitations. Regarding claim 27,

the closest prior art of record, Nagle et al (Fig. 2) does not disclose the following limitations: performing a signal correction on the amplified output signal.

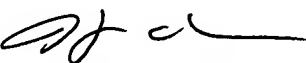
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Patent numbers (6,822,523; 6,931,240) are the amplifiers with the mode selectors.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Henry Choe whose telephone number is (571) 272-1760.

  
**HENRY CHOE**  
**PRIMARY EXAMINER**